

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 21, 2003, 12:30:13 ; Search time 14 seconds

(without alignments)
13.733 Million cell updates/sec

Title: SHORT-PEP
Perfect score: 16
Sequence: 1 rw 2

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 283224 seqs, 96134422 residues

Total number of hits satisfying chosen parameters: 206

Minimum DB seq length: 0
Maximum DB seq length: 5

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : PIR_73: *
1: PIR1: *
2: PIR2: *
3: PIR3: *
4: PIR4: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	16	100.0	5 2 A60803	neuropeptide - sea
2	13	81.2	3 3 F37196	bradykinin-potent
3	13	81.2	5 2 G37196	bradykinin-potent
4	11	66.8	4 2 A34626	RPCII-related neuro
5	11	66.8	4 2 B53284	T-cell receptor be
6	11	66.8	4 2 PT0661	T-cell receptor be
7	11	66.8	5 2 A32516	cholecystokinin-5
8	11	66.8	5 2 JH0253	gut pentapeptide -
9	11	66.8	5 2 PT0281	Ig heavy chain CRD
10	11	66.8	5 2 PT0308	Ig heavy chain CRD
11	11	66.8	5 2 PT0729	T-cell receptor be
12	11	66.8	5 2 PT0580	T-cell receptor be
13	11	66.8	4 2 I61883	protamine p1 - ora
14	7	43.8	4 2 I37013	protamine p1 - Cer
15	7	43.8	4 2 I84439	protamine p1 - sav
16	7	43.8	5 1 H0808A	ribosomal protein
17	7	43.8	5 2 I39964	ribosomal protein
18	7	43.8	5 2 I39966	ribosomal protein
19	7	43.8	5 2 I39965	ribosomal protein
20	7	43.8	5 2 A60411	protocollin - Atlant
21	6	37.5	4 1 ECXAA	antho-RFamide neur
22	6	37.5	4 2 ECNR	cardioexcitatory n
23	6	37.5	4 2 D41654	hypothetical prote
24	6	37.5	4 2 A25844	antho-RF amide neu
25	6	37.5	4 2 A60418	R-phycoerythrin al
26	5	31.2	3 3 A22565	R-phycoerythrin al
27	5	31.2	3 3 P00010	angiotensin-conver
28	5	31.2	4 2 A02147	phagocytosis-stim
29	5	31.2	4 2 I40870	phospholipase C (E

30	5	31.2	4 2 A35779	neuropeptide Antho
31	5	31.2	4 2 PT0721	T-cell receptor be
32	5	31.2	4 2 S47552	ubiquitin - rat
33	5	31.2	5 2 JN0862	peptidyl-dipeptida
34	5	31.2	5 2 I40702	primase - Citrobac
35	5	31.2	5 2 A44955	alkanal monooxygen
36	5	31.2	5 2 D60274	major protein anti
37	5	31.2	5 2 F22565	R-phycoerythrin al
38	5	31.2	5 2 T14910	hypothetical prote
39	5	31.2	5 2 S53595	hypothetical prote
40	5	31.2	5 2 PT0295	Ig heavy chain CRD
41	5	31.2	5 2 S62883	seminal plasma pro
42	5	31.2	5 2 PT0513	T-cell receptor be
43	5	31.2	5 2 PT0525	T-cell receptor be
44	5	31.2	5 2 PT0597	T-cell receptor be
45	5	31.2	5 2 PT0608	T-cell receptor be
46	5	31.2	5 2 PT0672	T-cell receptor be
47	5	31.2	5 2 PT0553	T-cell receptor be
48	5	31.2	5 2 PT0695	T-cell receptor be
49	5	31.2	5 2 PT0577	T-cell receptor be
50	5	31.2	5 2 PT0565	T-cell receptor be
51	5	31.2	5 2 PT0572	T-cell receptor be
52	5	31.2	5 2 PT0700	T-cell receptor be
53	5	31.2	5 2 P00689	photosystem I 10.4
54	4	25.0	3 3 A43391	TRH-like tripeptid
55	3	18.8	4 2 S39390	myosin-light-chain
56	3	18.8	3 3 GKHU	growth-modulating
57	2	12.5	3 3 A60898	bursin - chicken
58	2	12.5	3 3 S13894	histidinol dehydro
59	2	12.5	3 3 E37196	bradykinin-potent
60	2	12.5	3 3 S68328	blood cell protein
61	2	12.5	4 2 A32039	tyrosine-melanocyt
62	2	12.5	4 2 PL0146	carbon-monoxide de
63	2	12.5	4 2 A37832	phenol 2-monooxyge
64	2	12.5	4 2 I40503	hypothetical prote
65	2	12.5	4 2 I40804	endoglucanase F -
66	2	12.5	4 2 T46627	hypothetical prote
67	2	12.5	4 2 S09478	globulin IV alpha
68	2	12.5	4 2 J01273	neuropeptide Antho
69	2	12.5	4 2 PT0240	Ig heavy chain CRD
70	2	12.5	4 2 S43959	Ig mu chain V regl
71	2	12.5	4 2 E44823	synaptosomal-assoc
72	2	12.5	4 2 PT0534	T-cell receptor be
73	2	12.5	5 2 C41225	cooper resistance
74	2	12.5	5 2 B37325	pap fibrillar regul
75	2	12.5	5 2 A32014	cran protein - Esc
76	2	12.5	5 2 I40469	dnax-1-like protein
77	2	12.5	5 2 P00009	major protein anti
78	2	12.5	5 2 S65726	hemoglobin, extrac
79	2	12.5	5 2 B61445	Met-enkephalin - b
80	2	12.5	5 2 A61445	alcohol dehydrogen
81	2	12.5	5 2 S11075	phosphoprotein, bo
82	2	12.5	5 2 PT0278	Ig heavy chain CRD
83	2	12.5	5 2 S68326	T-cell receptor be
84	2	12.5	5 2 JH0870	blood cell protein
85	2	12.5	5 3 RHDTDO	physosulfokine alp
86	2	12.5	5 3 RHPT	thyloliberin - Bom
87	2	12.5	5 3 RHSHNT	thyloliberin - she
88	2	12.5	5 3 A92971	thyloliberin - eas
89	2	12.5	5 3 A23751	spinal cord peptid
90	2	12.5	5 3 A33802	thyrotropin-releas
91	2	12.5	5 2 A48360	gamma subunit of p
92	2	12.5	5 2 I57745	D-mannosate hydrol
93	2	12.5	5 2 S53508	starvation-induced
94	2	12.5	5 2 I38888	COI intron 16 prot
95	2	12.5	5 2 A32480	achatin-I - giant
96	2	12.5	5 2 A60521	glycogen phosphory
97	2	12.5		
98	2	12.5		
99	2	12.5		
100	2	12.5		

ALIGNMENTS

RESULT 1

A60803

neuropeptide - sea anemone (*Anthopleura elegantissima*)C:Species: *Anthopleura elegantissima*

C:Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 07-May-1999

C:Accession: A60803

R:Graft, D.; Grimmelikhuijzen, C.J.P.

Brain Res. 442, 354-358, 1998

A:Title: Isolation of <Glu-Ser-Trp-Arg-Trp-NH-2, a novel neuropeptide from sea anemones.

A:Reference number: A60803; MUID:88222764; PMID:2897223

A:Accession: A60803

A:Molecule type: protein

A:Residues: 1-5 <GRA>

C:Keywords: amidated carboxyl end; neuropeptide; pyroglutamic acid

F:1/Modified site: pyroglutamate carboxylic acid (Gln) #status experimental

F:5/Modified site: amidated carboxyl end (Trp) #status experimental

Query Match 100.0%; Score 16; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 2; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RW 2

DB 4 KW 5

RESULT 2

F37196

bradykinin-potentating peptide 6 - island jararaca

C:Species: *Bothrops insularis* (island jararaca)

C:Date: 15-Jun-2001 #sequence_revision 15-Jun-2001 #text_change 15-Jun-2001

C:Accession: F37196

R:Chitra, A.C.O.; Vieira, C.A.; Giglio, J.R.

J. Protein Chem. 9, 221-227, 1990

A:Title: Primary structure and biological activity of bradykinin potentiating peptides

A:Reference number: A37196; MUID:90351557; PMID:2386615

A:Accession: F37196

A:Status: preliminary

A:Molecule type: protein

A:Residues: 1-3 <GIN>

C:Keywords: pyroglutamic acid

F:1/Modified site: pyroglutamate carboxylic acid (Gln) #status experimental

Query Match 81.2%; Score 13; DB 3; Length 3;
 Best Local Similarity 50.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 RW 2

DB 2 KW 3

RESULT 3

G37196

bradykinin-potentating peptide 7 - island jararaca

C:Species: *Bothrops insularis* (island jararaca)

C:Date: 14-Feb-1992 #sequence_revision 01-Dec-1992 #text_change 05-Aug-1994

C:Accession: G37196

R:Chitra, A.C.O.; Vieira, C.A.; Giglio, J.R.

J. Protein Chem. 9, 221-227, 1990

A:Title: Primary structure and biological activity of bradykinin potentiating peptides

A:Reference number: A37196; MUID:90351557; PMID:2386615

A:Accession: G37196

A:Status: preliminary

A:Molecule type: protein

A:Residues: 1-5 <GIN>

C:Keywords: pyroglutamic acid

F:1/Modified site: pyroglutamate carboxylic acid (Gln) #status experimental

Query Match 81.2%; Score 13; DB 2; Length 5;

Best Local Similarity 50.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 RW 2

DB 2 KW 3

RESULT 4

A34626

RCH-related neuropeptide - ferruginous spindle

C:Species: *Fusinus ferrugineus* (ferruginous spindle)

C:Date: 06-Jul-1990 #sequence_revision 06-Jul-1990 #text_change 31-Dec-1993

C:Accession: A34626

R:Kuroki, Y.; Kanda, T.; Kubota, I.; Fujisawa, Y.; Ikeda, T.; Miura, A.; Minamitake,

Biochem. Biophys. Res. Commun. 167, 273-279, 1990

A:Title: A molluscan neuropeptide related to the crustacean hormone, RCH.

A:Reference number: A34626; MUID:90179762; PMID:2310394

A:Accession: A34626

A:Status: preliminary

A:Molecule type: protein

A:Residues: 1-4 <KUR>

C:Keywords: neuropeptide

Query Match 68.8%; Score 11; DB 2; Length 4;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 W 2

DB 4 W 4

RESULT 5

B53284

T-cell receptor beta 2 chain D region, Dbeta2 - rabbit

C:Species: *Oryctolagus cuniculus* (domestic rabbit)

C:Date: 02-May-1994 #sequence_revision 18-Nov-1994 #text_change 05-Nov-1999

C:Accession: B53284

R:Harindranath, N.; Alexander, C.B.; Mage, R.G.

Mol. Immunol. 28, 881-888, 1991

A:Title: Evolutionarily conserved organization and sequences of germline diversity an

A:Reference number: A53284; MUID:91342695; PMID:1678839

A:Accession: B53284

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-4 <HAR>

A:Cross-references: GB:560737; NID:q233916; PDB:AA01518.1; PIR:q233918

A>Note: sequence extracted from NCBI backbone (NCBIN:60737, NCBIPI:60738)

Query Match 68.8%; Score 11; DB 2; Length 4;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 W 2

DB 2 W 2

RESULT 6

PT0661

T-cell receptor beta chain V-D-J region (121-18V) - mouse (fragment)

C:Species: *Mus musculus* (house mouse)

C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997

C:Accession: PT0661

R:Feeney, A.J.

J. Exp. Med. 174, 115-124, 1991

A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions

A:Reference number: PT0661; MUID:91277601; PMID:1711558

A:Accession: PT0661

A:Status: translation not shown

A:Molecule type: mRNA

A:Residues: 1-4 <FE2>
 A:Experimental source: day 4 postnatal thymus, strain BALB/c
 C:Keywords: T-cell receptor

Query Match 68.8%; Score 11; DB 2; Length 4;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 W 2
 1
 Db 3 W 3

RESULT 7

A32516
 cholecystokinin-5 - dog
 N:Alternate names: CCK-5
 C:Species: Canis lupus familiaris (dog)
 C:Date: 18-Oct-1989 #sequence_revision 18-Oct-1989 #text_change 18-Aug-2000
 C:Accession: A32516
 R:Shively, J.; Reeve Jr., J.R.; Eysselein, V.E.; Ben-Avram, C.; Vigna, S.R.; Walsh, J.H.
 Am. J. Physiol. 252, G272-G275, 1987
 A:Title: CCK-5: sequence analysis of a small cholecystokinin from canine brain and intest.
 A:Reference number: A32516; PMID:87153871; PMID:3826354
 A:Accession: A32516
 A:Molecule type: Protein
 A:Residues: 1-5 <SH1>
 C:Comment: This peptide corresponds to the five carboxyl-terminal residues of cholecystokinin.
 C:Superfamily: gastrin
 C:Keywords: amidated carboxyl end; neuropeptide
 P:5/Modified site: amidated carboxyl end (Phe) #status experimental

Query Match 68.8%; Score 11; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 W 2
 1
 Db 2 W 2

RESULT 8

JH0253
 gut pentapeptide - Japanese eel
 C:Species: Anguilla japonica (Japanese eel)
 C:Date: 31-Mar-1992 #sequence_revision 31-Mar-1992 #text_change 11-Apr-1995
 C:Accession: JH0253
 R:Uesaka, T.; Ikeda, T.; Kubota, I.; Muneoka, Y.; Ando, M.
 Biochem. Biophys. Res. Commun. 180, 828-832, 1991
 A:Title: Structure and function of a pentapeptide isolated from the gut of the eel.
 A:Reference number: JH0253; PMID:92062113; PMID:1953755
 A:Accession: JH0253
 A:Molecule type: protein
 A:Residues: 1-5 <UES>
 A:Experimental source: gut
 C:Comment: This peptide increased basal tone of the circular muscle of the esophagogastric, and of the circular muscle of the gastro-intestinal junction.

Query Match 68.8%; Score 11; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 W 2
 1
 Db 3 W 3

RESULT 9

PT0281
 Ig heavy chain CRD3 region (clone 4-91C) - human (fragment)
 C:Species: Homo sapiens (man)
 C:Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 16-Aug-1996
 C:Accession: PT0281

R:Yamada, M.; Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G.
 J. Exp. Med. 173, 395-407, 1991

A:Title: Preferential utilization of specific immunoglobulin heavy chain diversity an

A:Reference number: PT0222; PMID:91108337; PMID:1899102

A:Accession: PT0281

A:Molecule type: DNA

A:Residues: 1-5 <YAM>

A:Experimental source: B lymphocyte

C:Keywords: heterotetramer; immunoglobulin

Query Match 68.8%; Score 11; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 W 2
 1
 Db 4 W 4

RESULT 10

PT0308
 Ig heavy chain CRD3 region (clone 6-88) - human (fragment)
 C:Species: Homo sapiens (man)
 C:Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 16-Aug-1996
 C:Accession: PT0308
 R:Yamada, M.; Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G.
 J. Exp. Med. 173, 395-407, 1991
 A:Title: Preferential utilization of specific immunoglobulin heavy chain diversity an
 A:Reference number: PT0222; PMID:91108337; PMID:1899102
 A:Accession: PT0308
 A:Molecule type: DNA
 A:Residues: 1-5 <YAM>
 A:Experimental source: B lymphocyte
 C:Keywords: heterotetramer; immunoglobulin

Query Match 68.8%; Score 11; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 W 2
 1
 Db 2 W 2

RESULT 11

PT0729
 T-cell receptor beta chain V-D-J region (120-1J) - mouse (fragment)
 C:Species: Mus musculus (house mouse)
 C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
 C:Accession: PT0640; PT0685; PT0729
 R:Feeney, A.J.
 J. Exp. Med. 174, 115-124, 1991
 A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions
 A:Reference number: PT0509; PMID:91277601; PMID:1711558
 A:Accession: PT0640
 A:Status: translation not shown
 A:Molecule type: mRNA
 A:Residues: 1-5 <FE2>
 A:Experimental source: newborn thymus, strain BALB/c, clone 120-1J
 A:Accession: PT0685
 A:Status: translation not shown
 A:Molecule type: DNA
 A:Residues: 1-5 <FE2>
 A:Experimental source: day 18 fetal thymus, strain BALB/c, clone 154-1C
 A:Accession: PT0729
 A:Status: translation not shown
 A:Molecule type: DNA
 A:Residues: 1-5 <FE3>
 A:Experimental source: newborn thymus, strain BALB/c, clone 135-1AG
 C:Keywords: T-cell receptor

Query Match 68.8%; Score 11; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;

Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 W 2
1
Db 5 W 5

RESULT 12

PT0580
T-cell receptor beta chain V-D-J region (159-2B) - mouse (fragment)
C:Species: Mus musculus (house mouse)
C>Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C:Accession: PT0580
R:Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions.
A:Reference number: PT0509; MUID:91277601; PMID:1711558
A:Accession: PT0580
A:Status: translation not shown
A:Molecule type: mRNA
A:Residues: 1-5 <PEE>
A:Experimental source: day 19 fetal thymus, strain BALB/c
C:Keywords: T-cell receptor

Query Match 68.8%; Score 11; DB 2; Length 5;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 W 2
1
Db 4 W 4

RESULT 13

I61883
Protamine P1 - orangutan (fragment)
C:Species: Pongo pygmaeus (orangutan)
C>Date: 06-Sep-1996 #sequence_revision 06-Sep-1996 #text_change 21-Jul-2000
C:Accession: I61883
R:Queralt, R.; Oliva, R.
Gene 133, 197-204, 1993
A:Title: Identification of conserved potential regulatory sequences of the protamine-end
A:Reference number: I37013; MUID:94040810; PMID:8224908
A:Accession: I61883
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-4 <RES>
A:Cross-references: EMBL:Z12146; NID:938156; PIDN:CAA78130.1; PID:94379372

Query Match 43.8%; Score 7; DB 2; Length 4;
Best Local Similarity 50.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RW 2
1
Db 3 RV 4

RESULT 14

I37013
Protamine P1 - Cercopithecus patas (fragment)
C:Species: Cercopithecus patas
C>Date: 19-Mar-1997 #sequence_revision 07-Nov-1997 #text_change 21-Jul-2000
C:Accession: I37013
R:Queralt, R.; Oliva, R.
Gene 133, 197-204, 1993
A:Title: Identification of conserved potential regulatory sequences of the protamine-end
A:Reference number: I37013; MUID:94040810; PMID:8224908
A:Accession: I37013
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-4 <RES>
A:Cross-references: EMBL:Z12150; NID:922814; PIDN:CAA78134.1; PID:94377415

Query Match 43.8%; Score 7; DB 2; Length 4;
Best Local Similarity 50.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RW 2
1
Db 3 RV 4

RESULT 15

I84439
Protamine P1 - savannah baboon (fragment)
C:Species: Papio hamadryas dogueta (savannah baboon)
C>Date: 19-Mar-1997 #sequence_revision 07-Nov-1997 #text_change 21-Jul-2000
C:Accession: I84439
R:Queralt, R.; Oliva, R.
Gene 133, 197-204, 1993
A:Title: Identification of conserved potential regulatory sequences of the protamine-
A:Reference number: I37013; MUID:94040810; PMID:8224908
A:Accession: I84439
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-4 <RES>
A:Cross-references: EMBL:Z12147; NID:938134; PIDN:CAA78131.1; PID:94379349

Query Match 43.8%; Score 7; DB 2; Length 4;
Best Local Similarity 50.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RW 2
1
Db 3 RV 4

RESULT 16

H08084
Proctolin - American cockroach
C:Species: Periplaneta americana (American cockroach)
C>Date: 29-Jul-1981 #sequence_revision 29-Jul-1981 #text_change 23-Aug-1996
C:Accession: A01644
R:Starratt, A.N.; Brown, B.E.
Life Sci. 17, 1253-1256, 1975
A:Title: Structure of the pentapeptide proctolin, a proposed neurotransmitter in inse
A:Reference number: A93048; MUID:76074708; PMID:576
A:Accession: A01644
A:Molecule type: protein
A:Residues: 1-5 <STP>
A:Note: The synthetic peptide had the same chromatographic, electrophoretic, and phar
R:O'Shea, M.; Adams, M.E.
Science 213, 567-569, 1981
A:Title: Pentapeptide (proctolin) associated with an identified neuron.
A:Reference number: A94260; MUID:81225865; PMID:6113690
A:Contents: annotation; biological source
C:Comment: This peptide is found in the lateral white neurons, which occur (in the co
innerve the striated hindgut muscles in insects and stimulate contraction of these
C:Superfamily: proctolin
C:Keywords: neuropeptide

Query Match 43.8%; Score 7; DB 1; Length 5;
Best Local Similarity 50.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RW 2
1
Db 1 RV 2

RESULT 17

I39964
Ribosomal protein S4 - Bacillus circulans (fragment)
C:Species: Bacillus circulans
C>Date: 19-Jul-1996 #sequence_revision 19-Jul-1996 #text_change 19-Jul-1996

C:Accession: I39964
 R:Grundty, F.J.; Henkin, T.M.
 J. Bacteriol. 174, 6763-6770, 1992
 A:Title: Characterization of the *Bacillus subtilis* rpsd regulatory target site.
 A:Reference number: I39963; MUID:93015735; PMID:1400226
 A:Accession: I39964
 A:Status: preliminary; translated from GB/EMBL/DBJ
 C:Species: *Bacillus licheniformis*
 C:Date: 19-Jul-1996 #sequence_revision 19-Jul-1996 #text_change 19-Jul-1996
 A:Accession: I39966
 A:Molecule type: DNA
 A:Residues: 1-5 <RES>
 A:Cross-references: GB:M99041; NID:9143471
 C:Genetics: rpsd

Query Match 43.8%; Score 7; DB 2; Length 5;
 Best Local Similarity 50.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RW 2
 I:
 DB 3 RV 4

RESULT 18

I39966
 Ribosomal protein S4 - *Bacillus licheniformis* (fragment)
 C:Species: *Bacillus licheniformis*
 C:Date: 19-Jul-1996 #sequence_revision 19-Jul-1996 #text_change 19-Jul-1996
 C:Accession: I39966
 R:Grundty, F.J.; Henkin, T.M.
 J. Bacteriol. 174, 6763-6770, 1992
 A:Title: Characterization of the *Bacillus subtilis* rpsd regulatory target site.
 A:Reference number: I39963; MUID:93015735; PMID:1400226
 A:Accession: I39966
 A:Status: preliminary; translated from GB/EMBL/DBJ
 A:Molecule type: DNA
 A:Residues: 1-5 <RES>
 A:Cross-references: GB:M99043; NID:9143475
 C:Genetics: rpsd

Query Match 43.8%; Score 7; DB 2; Length 5;
 Best Local Similarity 50.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RW 2
 I:
 DB 3 RV 4

RESULT 19

I39965
 Ribosomal protein S4 - *Bacillus megaterium* (fragment)
 C:Species: *Bacillus megaterium*
 C:Date: 19-Jul-1996 #sequence_revision 19-Jul-1996 #text_change 19-Jul-1996
 C:Accession: I39965
 R:Grundty, F.J.; Henkin, T.M.
 J. Bacteriol. 174, 6763-6770, 1992
 A:Title: Characterization of the *Bacillus subtilis* rpsd regulatory target site.
 A:Reference number: I39963; MUID:93015735; PMID:1400226
 A:Accession: I39965
 A:Status: preliminary; translated from GB/EMBL/DBJ
 A:Molecule type: DNA
 A:Residues: 1-5 <RES>
 A:Cross-references: GB:M99042; NID:9143473
 C:Genetics: rpsd

Query Match 43.8%; Score 7; DB 2; Length 5;
 Best Local Similarity 50.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RW 2
 I:

DB 3 RV 4

RESULT 20

A60411
 proctolin - Atlantic horseshoe crab
 C:Species: *Limulus polyphemus* (Atlantic horseshoe crab)
 C:Date: 03-Feb-1993 #sequence_revision 03-Feb-1993 #text_change 17-Mar-1999
 C:Accession: A60411
 R:Groome, J.R.; Tillinghast, E.K.; Townley, M.A.; Velrows, A.; Watson III, W.H.; Hunt
 Peptides 11, 205-211, 1990
 A:Title: Identification of proctolin in the central nervous system of the horseshoe crab
 A:Reference number: A60411; MUID:90287800; PMID:2356151
 A:Accession: A60411
 A:Molecule type: protein
 A:Residues: 1-5 <GRO>
 C:Comment: This neuropeptide stimulates cardiac output and hindgut motility in the horseshoe crab
 C:Keywords: neuropeptide

Query Match 43.8%; Score 7; DB 2; Length 5;
 Best Local Similarity 50.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RW 2
 I:
 DB 1 RV 2

RESULT 21

ECXAA
 antho-RFamide neuropeptide - sea anemone (*Anthopleura elegantissima*)
 C:Species: *Anthopleura elegantissima*
 C:Date: 31-Dec-1988 #sequence_revision 31-Dec-1988 #text_change 08-Dec-1995
 C:Accession: A26666
 R:Grimmelikhuisen, C.J.P.; Graff, D.
 Proc. Natl. Acad. Sci. U.S.A. 83, 9817-9821, 1986
 A:Title: Isolation of <Glu-Gly-Arg-Phe-NH₂> (Antho-RFamide), a neuropeptide from sea anemone
 A:Reference number: A26666; MUID:87092339; PMID:2879288
 A:Accession: A26666
 A:Molecule type: protein
 A:Residues: 1-4 <GR>
 C:Comment: The function of this peptide is not known but it could act as a transmitter
 C:Comment: Synthetic and natural peptides had identical properties.
 C:Superfamily: RFamide neuropeptide
 C:Keywords: amidated carboxyl end; neuropeptide; pyroglutamic acid
 F:1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental
 F:4/Modified site: amidated carboxyl end (Phe) #status experimental

Query Match 37.5%; Score 6; DB 1; Length 4;
 Best Local Similarity 50.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 RW 2
 I:
 DB 3 RV 4

RESULT 22

ECNKA
 cardioexcitatory neuropeptide FMRFamide - sunray clam
 C:Species: *Macrocallista nimbosa* (sunray clam)
 C:Date: 20-Jun-2000 #sequence_revision 20-Jun-2000 #text_change 20-Jun-2000
 C:Accession: A01426
 R:Price, D.A.; Greenberg, M.J.
 Science 197, 670-671, 1977
 A:Title: Structure of a molluscan cardioexcitatory neuropeptide.
 A:Reference number: A01426; MUID:77215956; PMID:877582
 A:Accession: A01426
 A:Molecule type: protein
 A:Residues: 1-4 <PR>
 A:Note: the active peptide was also synthesized
 C:Comment: this peptide was purified from pooled extracts of cerebral, pedal, and vis
 action in molluscs; its exact physiological role is not yet established.

C:Superfamily: unassigned animal peptides
C:Keywords: amidated carboxyl end; neuropeptide
F:4/Modified site: amidated carboxyl end (Phe) #status experimental

Query Match 37.5%; Score 6; DB 2; Length 4;
Best Local Similarity 50.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 RW 2
1:
Db 3 RF 4

RESULT 23

D41654

hypothetical protein (sodC 5' region) - Haemophilus parainfluenzae (fragment)

C:Species: Haemophilus parainfluenzae
C:Date: 12-Jun-1992 #sequence_revision 12-Jun-1992 #text_change 24-Feb-1995

C:Accession: D41654
R:Klotz, J.S.; Langford, P.R.; Loynds, B.M.

J. Bacteriol. 173, 7449-7457, 1991

A:Title: Copper-zinc superoxide dismutase of Haemophilus influenzae and Haemophilus para
A:Reference number: A41654; MUID:92041655; PMID:1938942

A:Accession: D41654

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-4 <KRO>

Query Match 37.5%; Score 6; DB 2; Length 4;
Best Local Similarity 50.0%; Pred. No. 2.8e+05;

Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 RW 2
1:
Db 2 RF 3

RESULT 24

A25844

autho-RF amide neuropeptide - sea pansy (Renilla koellikeri)

C:Species: Renilla koellikeri (Koelliker's sea pansy)

C:Date: 21-May-1998 #sequence_revision 30-Sep-1993 #text_change 11-Jul-1997

C:Accession: A25844

R:Grimmelikhuijzen, C.J.P.; Groeger, A.

FEBS Lett. 211, 105-108, 1987

A:Title: Isolation of the neuropeptide pcLu-Gly-Arg-Phe-amide from the pennatulid Renilla

A:Reference number: A25844

A:Accession: A25844

A:Molecule type: protein

A:Residues: 1-4 <GRD>

C:Keywords: amidated carboxyl end; neuropeptide; pyroglutamic acid
F:1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental
F:4/Modified site: amidated carboxyl end (Phe) #status experimental

Query Match 37.5%; Score 6; DB 2; Length 4;
Best Local Similarity 50.0%; Pred. No. 2.8e+05;

Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 RW 2
1:
Db 3 RF 4

RESULT 25

A60418

FMRRamide - polychaete (Nereis virens)

C:Species: Nereis virens (sandworm)

C:Date: 11-Feb-1993 #sequence_revision 11-Feb-1993 #text_change 11-Jul-1997

C:Accession: A60418

R:Krahlak, K.G.; Price, D.A.

Peptides 11, 75-77, 1990

A:Title: Authentic FMRRamide is present in the polychaete Nereis virens.

A:Reference number: A60418; MUID:90259866; PMID:2342992

A:Accession: A60418
A:Molecule type: protein
A:Residues: 1-4 <KRA>
C:Keywords: amidated carboxyl end; neuropeptide
F:4/Modified site: amidated carboxyl end (Phe) #status experimental

Query Match 37.5%; Score 6; DB 2; Length 4;
Best Local Similarity 50.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 RW 2
1:
Db 3 RF 4

RESULT 26

A22565

R-phycoerythrin alpha-1 chain - red alga (Gastrocionium coulteri) (fragment)

C:Species: Gastrocionium coulteri

C:Date: 15-Jun-2001 #sequence_revision 15-Jun-2001 #text_change 15-Jun-2001

C:Accession: A22565

R:Klotz, A.V.; Glazer, A.N.

J. Biol. Chem. 260, 4856-4863, 1985

A:Title: Characterization of the bilin attachment sites in R-phycoerythrin.

A:Reference number: A22565; MUID:85182601; PMID:3886644

A:Accession: A22565

A:Molecule type: protein

A:Residues: 1-3 <KLO>

Query Match 31.2%; Score 5; DB 3; Length 3;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;

Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
1:
Db 3 R 3

RESULT 27

P00010

angiotensin-converting enzyme inhibitor (FLP-3) - common fig

N:Alternate names: ficus latex peptide 3

C:Species: Ficus carica (common fig)

C:Date: 15-Jun-2001 #sequence_revision 15-Jun-2001 #text_change 15-Jun-2001

C:Accession: P00010

R:Maruyama, S.; Miyoshi, S.; Tanaka, H.

Agric. Biol. Chem. 53, 2763-2767, 1989

A:Title: Angiotensin I-converting enzyme inhibitors derived from Ficus carica.

A:Reference number: P00008

A:Accession: P00010

A:Molecule type: protein

A:Residues: 1-3 <MAR>

A:Experimental source: latex

Query Match 31.2%; Score 5; DB 3; Length 3;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;

Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
1:
Db 3 R 3

RESULT 28

A02147

phagocytosis-stimulating peptide (tuftsia) - human

C:Species: Homo sapiens (man)

C:Date: 31-Mar-1991 #sequence_revision 31-Mar-1991 #text_change 03-Feb-1994

C:Accession: A02147

R:Nishio, K.; Constantinopoulos, A.; Satoh, P.S.; Najjar, V.A.

Biochem. Biophys. Res. Commun. 47, 172-179, 1972

A:Title: The characteristics, isolation and synthesis of the phagocytosis stimulating

A:Reference number: A02147; MUID:72187087; PMID:4112769
A:Accession: A02147
A:Molecule type: protein
A:Residues: 1-4 <NIS>
A:Note: a peptide having the same structure, physical properties, and biological activity
R:Rafalogo, B.V.; Najjar, V.A.
Biochemistry 6, 3386-3392, 1967
A:Reference number: A37502; MUID:68091045; PMID:4169272
A:Contents: annotation; Immunoglobulin class
C:Comment: An IgG (called leucokinin) binds reversibly to the cell membrane of neutrophils
n is essential for maximum stimulation of the phagocytic activity of neutrophils.
C:Superfamily: Immunoglobulin C region; immunoglobulin homology

Query Match 31.2%; Score 5; DB 2; Length 4;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
DB 4 R 4

RESULT 29
I40870
phospholipase C (EC 3.1.4.3) - Clostridium perfringens (fragment)
C:Species: Clostridium perfringens
C:Date: 16-Aug-1996 #sequence_revision 16-Aug-1996 #text_change 21-Jul-2000
C:Accession: I40870
R:Toyonaga, T.; Matsushita, O.; Katayama, S.; Minami, J.; Okabe, A.
Microbiol. Immunol. 36, 603-613, 1992
A:Title: Role of the upstream region containing an intrinsic DNA curvature in the negative
A:Reference number: I40870; MUID:92396045; PMID:1522810
A:Accession: I40870
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-4 <RES>
A:Cross-references: EMBL:X62825; NID:q40622; PIDD:CAA44636.1; PID:q4377417
C:Genetics:
A:Gene: plc
C:Keywords: phosphoric diester hydrolase

Query Match 31.2%; Score 5; DB 2; Length 4;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
DB 3 R 3

RESULT 30
A35779
neuropeptide Antho-RNamide - sea anemone (Anthopleura elegantissima)
C:Species: Anthopleura elegantissima
C:Date: 04-Dec-1992 #sequence_revision 04-Dec-1992 #text_change 08-Dec-1995
C:Accession: A35779
R:Grimmelikhuijzen, C.J.P.; Rinehart, K.L.; Jacob, E.; Graff, D.; Reinscheid, R.K.; North
Proc. Natl. Acad. Sci. U.S.A. 87, 5410-5414, 1990
A:Title: Isolation of L-3-phenylacetyl-Leu-Arg-Asn-NH2 (Antho-RNamide), a sea anemone ne
A:Reference number: A35779; MUID:90319122; PMID:1973541
A:Accession: A35779
A:Molecule type: protein
A:Residues: 1-4 <GR1>
C:Comment: The L-3-phenylacetyl blocking group probably arises from an amino-terminal ph
C:Keywords: amidated carboxyl end; neuropeptide; phenylacetylation
F:1/Modified site: L-3-phenylacetic acid (Phe) #status experimental
F:4/Modified site: amidated carboxyl end (Asn) #status experimental

Query Match 31.2%; Score 5; DB 2; Length 4;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1

DB 3 R 3

RESULT 31
PT0721
T-cell receptor beta chain V-D-J region (140-2k) - mouse (fragment)
C:Species: Mus musculus (house mouse)
C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C:Accession: PT0721
R:Reeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions
A:Reference number: PT0509; MUID:91277601; PMID:1711558
A:Accession: PT0721
A:Status: translation not shown
A:Molecule type: DNA
A:Residues: 1-4 <FEF>
A:Experimental source: newborn thymus, strain BALB/c
C:Keywords: T-cell receptor

Query Match 31.2%; Score 5; DB 2; Length 4;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
DB 2 R 2

RESULT 32
S47552
ubiquitin - rat
C:Species: Rattus norvegicus (Norway rat)
C:Date: 07-May-1995 #sequence_revision 21-Jul-1995 #text_change 17-Mar-1999
C:Accession: S47552
R:Hubbard, M.C.; Carne, A.
Biochim. Biophys. Acta 1200, 191-196, 1994
A:Title: Differential feeding-related regulation of ubiquitin and calbindin(9kDa) in
A:Reference number: S47552; MUID:94304928; PMID:8031840
A:Accession: S47552
A:Status: preliminary
A:Molecule type: protein
A:Residues: 1-4 <HDB>

Query Match 31.2%; Score 5; DB 2; Length 4;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
DB 2 R 2

RESULT 33
JN0862
peptidyl-dipeptidase A inhibitory peptide C112 - striped bonito
C:Species: Sarda orientalis (striped bonito)
C:Date: 10-Mar-1994 #sequence_revision 10-Mar-1994 #text_change 07-May-1999
C:Accession: JN0862
R:Matsumura, N.; Fujii, M.; Takeda, Y.; Shimizu, T.
Biosci. Biotechnol. Biochem. 57, 1743-1744, 1993
A:Title: Isolation and characterization of angiotensin I-converting enzyme inhibitory
A:Reference number: JN0859; MUID:94080036; PMID:7764272
A:Accession: JN0862
A:Molecule type: protein
A:Residues: 1-5 <MAT>
A:Experimental source: intestine
C:Comment: The amino terminal tripeptide of this protein inhibits angiotensin I-conve
C:Superfamily: bradykinin-potentiating peptide
C:Keywords: angiotensin-converting enzyme inhibitor

Query Match 31.2%; Score 5; DB 2; Length 5;

Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
|
Db 2 R 2

RESULT 34

140702

primase - Citrobacter diversus (fragment)

C:Species: Citrobacter diversus

C:Date: 16-Aug-1996 #sequence_revision 16-Aug-1996 #text_change 16-Aug-1996

C:Accession: 140702

R:Versalovic, J.; Lupski, J.R.

Mol. Microbiol. 8, 343-355, 1993

A:Title: Conservation and evolution of the rpsU-dnaG-rpoD macromolecular synthesis (MMS)

A:Reference number: 140702; MUID:93302510; PMID:8316085

A:Accession: 140702

A:Status: preliminary; translated from GR/EMBL/DBJ

A:Molecule type: DNA

A:Residues: 1-5 <RSS>

A:Cross-references: GB:L01754; NID:g144439

A:Genetics:

A:Gene: dnaG

Query Match

Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
|
Db 4 R 4

RESULT 35

A44955

alkanal monooxygenase (FMN-linked) (EC 1.14.14.3) alpha chain - Vibrio harveyi (fragment)

C:Species: Vibrio harveyi

C:Date: 03-Jun-1993 #sequence_revision 03-Jun-1993 #text_change 26-May-2000

C:Accession: A44955

R:Paguette, O.; Tu, S.C.

Photochem. Photobiol. 50, 817-825, 1989

A:Title: Chemical modification and characterization of the alpha cysteine 106 at the Vih

A:Reference number: A44955; MUID:90175700; PMID:2626493

A:Accession: A44955

A:Status: preliminary

A:Molecule type: protein

A:Residues: 1-5 <PAQ>

C:Keywords: FMN; Luminescence; monooxygenase; oxidoreductase

Query Match

Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
|
Db 5 R 5

RESULT 36

D60274

major protein antigen MPY46 - Mycobacterium tuberculosis (fragment)

C:Species: Mycobacterium tuberculosis

C:Date: 11-Dec-1992 #sequence_revision 11-Dec-1992 #text_change 30-Sep-1993

C:Accession: D60274

R:Kagat, S.; Miker, H.G.; Harboe, M.; Kinomoto, M.

Infect. Immun. 59, 372-382, 1991

A:Title: Isolation and partial characterization of major protein antigens in the culture

A:Reference number: A60274; MUID:91099899; PMID:1898899

A:Accession: D60274

A:Status: preliminary

A:Molecule type: protein

A:Residues: 1-5 <NAG>

Query Match

Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
|
Db 1 R 1

RESULT 37

B22565

R-phycoerythrin alpha-2 chain - red alga (Gastrocoulonium coulteri) (fragment)

C:Species: Gastrocoulonium coulteri

C:Date: 07-Mar-1988 #sequence_revision 07-Mar-1988 #text_change 23-Mar-1993

C:Accession: B22565

R:Klotz, A.V.; Glazer, A.N.

J. Biol. Chem. 260, 4856-4863, 1985

A:Title: Characterization of the bilin attachment sites in R-phycoerythrin.

A:Reference number: A22565; MUID:85182601; PMID:3886644

A:Accession: B22565

A:Molecule type: protein

A:Residues: 1-5 <KLO>

Query Match

Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
|
Db 5 R 5

RESULT 38

F22565

R-phycoerythrin gamma-A chain - red alga (Gastrocoulonium coulteri) (fragment)

C:Species: Gastrocoulonium coulteri

C:Date: 07-Mar-1988 #sequence_revision 07-Mar-1988 #text_change 23-Mar-1993

C:Accession: F22565

R:Klotz, A.V.; Glazer, A.N.

J. Biol. Chem. 260, 4856-4863, 1985

A:Title: Characterization of the bilin attachment sites in R-phycoerythrin.

A:Reference number: A22565; MUID:85182601; PMID:3886644

A:Accession: F22565

A:Molecule type: protein

A:Residues: 1-5 <KLO>

Query Match

Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
|
Db 5 R 5

RESULT 39

T14910

hypothetical protein - parsley

C:Species: Petroselinum crispum (parsley)

C:Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 21-Jul-2000

C:Accession: T14910

R:Kitchner, S.; Ledger, S.; Hayashi, H.; Weisshaar, B.; Schafer, E.; Frohnmeyer, H.

Mol. Gen. Genet. 257, 595-605, 1996

A:Title: CPRF4, a novel plant bZIP protein of the CPRF family: comparative analysis

A:Reference number: Z18261; MUID:98265918; PMID:9604882

A:Accession: T14910

A:Status: preliminary; translated from GR/EMBL/DBJ

A:Molecule type: mRNA

A:Residues: 1-5 <KIR>

A:Cross-references: EMBL:Y10810; NID:93336904; PIDN:CAA71769.1; PID:93336905

A:Experimental source: ssp. Hamburger Schnitt

Query Match 31.2%; Score 5; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
 |
 Db 4 R 4

RESULT 40
 S53595
 hypothetical protein (upstream of transcription factor, CCAAT-binding) - chicken
 C:Species: Gallus gallus (chicken)
 C:Date: 15-Jul-1995 #sequence_revision 01-Sep-1995 #text_change 07-May-1999
 C:Accession: S53595
 R:Calhoun, C.F.; Bouwman, P.R.J.; Snijpe, L.; Ab, G.
 Nucleic Acids Res. 22: 5540-5547, 1994
 A:Title: Translation start site multiplicity of the CCAAT/enhancer binding protein alpha
 A:Reference number: S53595; MUID:95140613; PMID:7838705
 A:Accession: S53595
 A:Status: Preliminary
 A:Accession: PT0295
 A:Molecule type: DNA
 A:Residues: 1-5 <CAL>
 A:Cross-references: EMBL:X66844

Query Match 31.2%; Score 5; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
 |
 Db 4 R 4

RESULT 41
 PT0295
 Ig heavy chain CRD3 region (clone 5-91) - human (fragment)
 C:Species: Homo sapiens (man)
 C:Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 16-Aug-1996
 C:Accession: PT0295
 R:Yamada, M.; Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G.
 J. Exp. Med. 173: 395-407, 1991
 A:Title: Preferential utilization of specific immunoglobulin heavy chain diversity and
 A:Reference number: PT0222; MUID:91108337; PMID:1899102
 A:Accession: PT0295
 A:Molecule type: DNA
 A:Residues: 1-5 <YAM>
 A:Experimental source: B lymphocyte
 C:Keywords: heterotrimer; immunoglobulin

Query Match 31.2%; Score 5; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
 |
 Db 4 R 4

RESULT 42
 S62883
 seminal plasma protein II - pig (fragment)
 C:Species: Sus scrofa domestica (domestic pig)
 C:Date: 28-Oct-1996 #sequence_revision 13-Mar-1997 #text_change 17-Mar-1999
 C:Accession: S62883
 R:Romero, A.; Varela, P.F.; Sanz, L.; Toepfer-Petersen, E.; Calvete, J.J.
 FEBS Lett. 382: 15-17, 1996
 A:Title: Crystallization and preliminary X-ray diffraction analysis of boar seminal plas
 A:Reference number: S62883; MUID:96196555; PMID:8612739
 A:Accession: S62883
 A:Molecule type: protein
 A:Residues: 1-5 <ROM>

C:Complex: heterodimer; seminal plasma protein I and seminal plasma protein II
 C:Keywords: glycoprotein; heterodimer; semen

Query Match 31.2%; Score 5; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
 |
 Db 2 R 2

RESULT 43
 PT0513
 T-cell receptor beta chain V-D-J region (100-4A) - mouse (fragment)
 C:Species: Mus musculus (house mouse)
 C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
 C:Accession: PT0513; PT0606
 R:Feeney, A.J.
 J. Exp. Med. 174: 115-124, 1991
 A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions
 A:Reference number: PT0509; MUID:91277601; PMID:1711558
 A:Accession: PT0513
 A:Status: translation not shown
 A:Molecule type: mRNA
 A:Residues: 1-5 <FEE>
 A:Experimental source: adult thymus, strain BALB/c, clone 100-4A
 A:Accession: PT0606
 A:Status: translation not shown
 A:Molecule type: mRNA
 A:Residues: 1-5 <FE2>
 A:Experimental source: newborn thymus, strain BALB/c, clone 120-1S
 C:Keywords: T-cell receptor

Query Match 31.2%; Score 5; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
 |
 Db 5 R 5

RESULT 44
 PT0525
 T-cell receptor beta chain V-D-J region (100-4J) - mouse (fragment)
 C:Species: Mus musculus (house mouse)
 C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
 C:Accession: PT0525
 R:Feeney, A.J.
 J. Exp. Med. 174: 115-124, 1991
 A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions
 A:Reference number: PT0509; MUID:91277601; PMID:1711558
 A:Accession: PT0525
 A:Status: translation not shown
 A:Molecule type: mRNA
 A:Residues: 1-5 <FEE>
 A:Experimental source: adult thymus, strain BALB/c
 C:Keywords: T-cell receptor

Query Match 31.2%; Score 5; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 R 1
 |
 Db 3 R 3

RESULT 45
 PT0597
 T-cell receptor beta chain V-D-J region (111-1B) - mouse (fragment)
 C:Species: Mus musculus (house mouse)

C>Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C:Accession: PT0597
R:Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions.
A:Reference number: PT0509; MUID:91277601; PMID:1711558
A:Accession: PT0597
A>Status: translation not shown
A:Molecule type: mRNA
A:Residues: 1-5 <FE2>
A:Experimental source: newborn thymus, strain BALB/c
C:Keywords: T-cell receptor

Query Match 31.2%; Score 5; DB 2; Length 5;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
|
Db 5 R 5

RESULT 46

PT0608
T-cell receptor beta chain V-D-J region (120-2cf) - mouse (fragment)
C:Species: Mus musculus (house mouse)
C>Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C:Accession: PT0608
R:Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions.
A:Reference number: PT0509; MUID:91277601; PMID:1711558
A:Accession: PT0608
A>Status: translation not shown
A:Molecule type: mRNA
A:Residues: 1-5 <FE2>
A:Experimental source: newborn thymus, strain BALB/c
C:Keywords: T-cell receptor

Query Match 31.2%; Score 5; DB 2; Length 5;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
|
Db 4 R 4

RESULT 47

PT0672
T-cell receptor beta chain V-D-J region (121-1b) - mouse (fragment)
C:Species: Mus musculus (house mouse)
C>Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C:Accession: PT0672
R:Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions.
A:Reference number: PT0509; MUID:91277601; PMID:1711558
A:Accession: PT0672
A>Status: translation not shown
A:Molecule type: mRNA
A:Residues: 1-5 <FE2>
A:Experimental source: day 4 postnatal thymus, strain BALB/c, clone 121-1b
A:Accession: PT0672
A>Status: translation not shown
A:Molecule type: DNA
A:Residues: 1-5 <FE2>
A:Experimental source: day 18 fetal thymus, strain BALB/c, clone 140-1bG
C:Keywords: T-cell receptor

Query Match 31.2%; Score 5; DB 2; Length 5;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
|
Db 5 R 5

RESULT 48

PT0553
T-cell receptor beta chain V-D-J region (126-1c) - mouse (fragment)
C:Species: Mus musculus (house mouse)
C>Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C:Accession: PT0553
R:Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions
A:Reference number: PT0509; MUID:91277601; PMID:1711558
A:Accession: PT0553
A>Status: translation not shown
A:Molecule type: mRNA
A:Residues: 1-5 <FE2>
A:Experimental source: day 18 fetal thymus, strain BALB/c
C:Keywords: T-cell receptor

Query Match 31.2%; Score 5; DB 2; Length 5;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
|
Db 4 R 4

RESULT 49

PT0695
T-cell receptor beta chain V-D-J region (135-1d) - mouse (fragment)
C:Species: Mus musculus (house mouse)
C>Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C:Accession: PT0695
R:Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions
A:Reference number: PT0509; MUID:91277601; PMID:1711558
A:Accession: PT0695
A>Status: translation not shown
A:Molecule type: DNA
A:Residues: 1-5 <FE2>
A:Experimental source: newborn thymus, strain BALB/c
C:Keywords: T-cell receptor

Query Match 31.2%; Score 5; DB 2; Length 5;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 R 1
|
Db 4 R 4

RESULT 50

PT0577
T-cell receptor beta chain V-D-J region (141-1bc) - mouse (fragment)
C:Species: Mus musculus (house mouse)
C>Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C:Accession: PT0577
R:Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A:Title: Junctional sequences of fetal T cell receptor beta chains have few N regions
A:Reference number: PT0509; MUID:91277601; PMID:1711558
A:Accession: PT0577
A>Status: translation not shown
A:Molecule type: mRNA
A:Residues: 1-5 <FE2>
A:Experimental source: day 19 fetal thymus, strain BALB/c, clone 141-1bc

A:Accession: PT0574
 A:Status: translation not shown
 A:Molecule type: mRNA
 A:Residues: 1-5 <FE2>
 A:Experimental source: day 19 fetal thymus, strain BALB/c, clone 141-10
 C:Keywords: T-cell receptor

Query Match 31.2%; Score 5; DB 2; Length 5;
 Best Local Similarity 100.0%; Pred. No. 2.8e+05;
 Matches 1; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 R 1
 Db 4 R 4

Search completed: February 21, 2003, 12:31:56
 Job time : 23 secs

